

The Deltagram

TRADE MARK REG. U. S. PAT. OFF.

VOLUME FIFTEEN

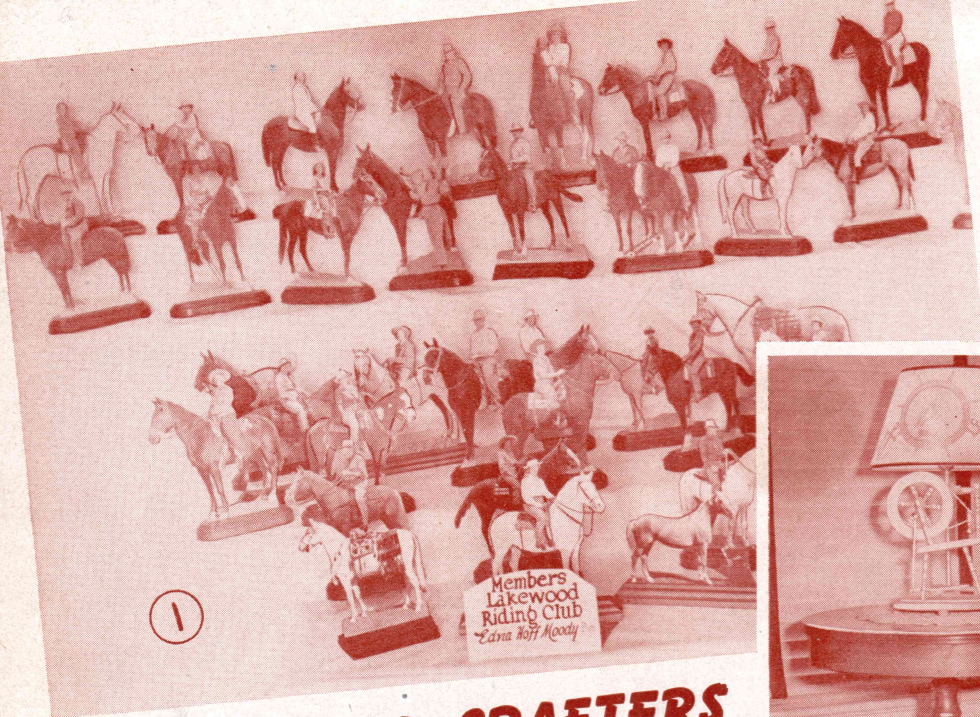
Issue No. 6

PRICE TEN CENTS

10¢

- ★ BOOK CASE
- ★ MODERN LAMP
- ★ NOVELTY TABLE
- ★ JUNIOR BED
- ★ CHATTER BENCH
- ★ DESIGNS ★ ETC.





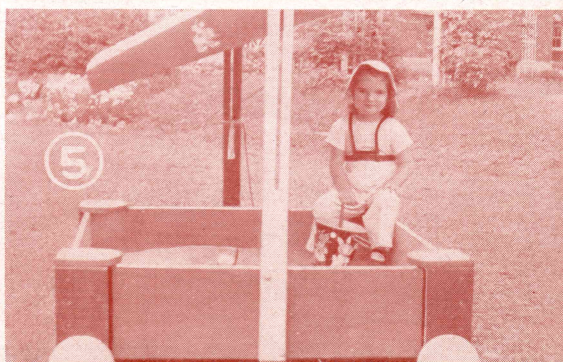
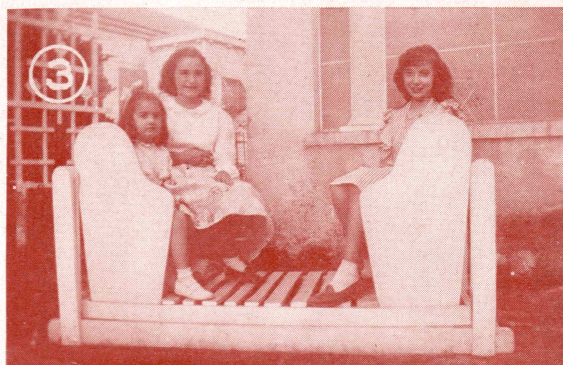
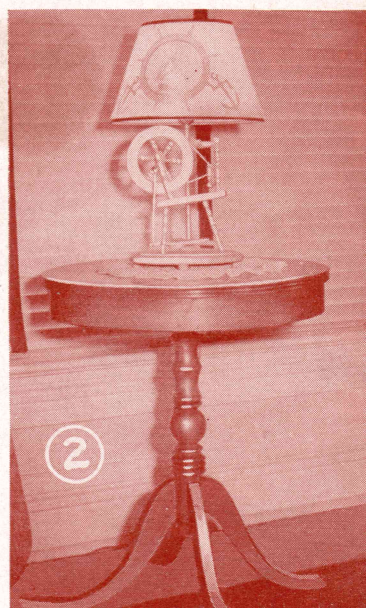
WITH DELTA CRAFTERS

☆ Mr. MacCormack of Denver, Colorado, wants us to pass along his idea of cutting statuettes as shown in Photo No. 1. These have more than paid for his shop equipment. A very profitable hobby.

☆ Drum table and spinning-wheel lamp (Photo No. 2) are projects from Mr. Fletcher's shop of Rhinelander, Wisconsin. The lamp was made from our plan sheet No. 4608.

☆ The swing in Photo No. 3 made by Mr. Sanchez of New Orleans, La., is large enough to seat four children or two grown-ups. Since this picture was taken Mr. Sanchez bored four holes in the flooring to receive four legs of a small tea table.

☆ Photos No. 4 and No. 5 of the sandbox and duck rocker make both tots happy with the projects Mr. Martel of Grand Mere, Que., has made for them.



The Deltagram

TRADE MARK REG. U. S. PAT. OFF.

★ A MAGAZINE FOR CRAFTSMEN

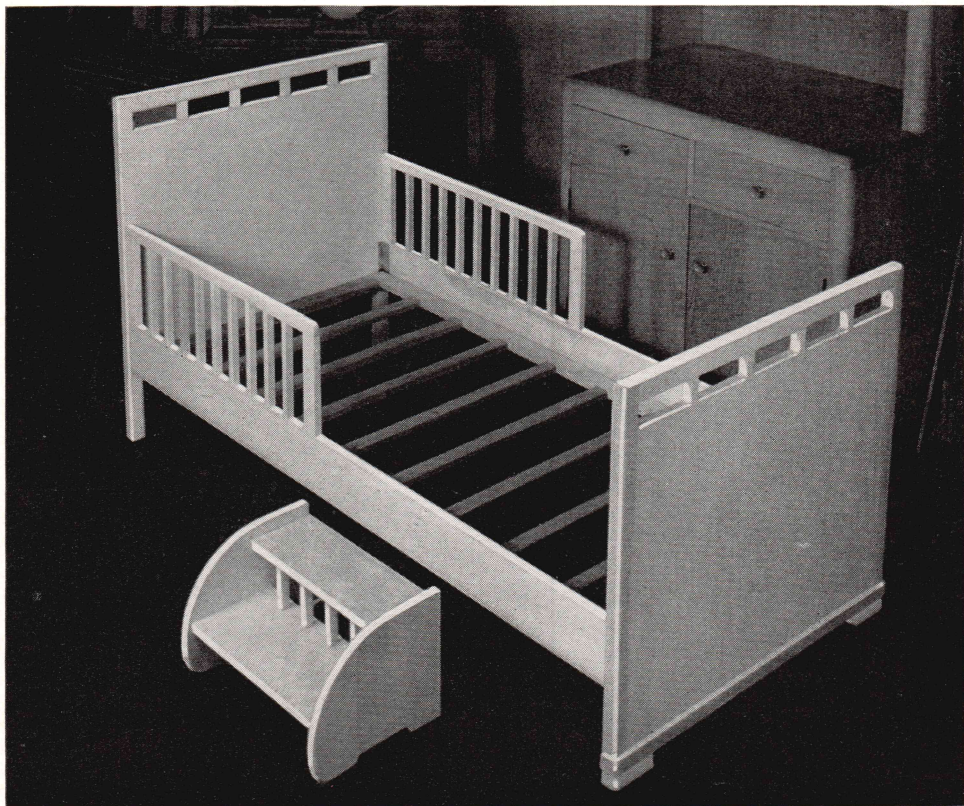
• PUBLISHED BY THE DELTA MANUFACTURING COMPANY, MILWAUKEE, WISC. SOLD ONLY BY SUBSCRIPTION - 50¢ THE YEAR.

★ E. G. HAMILTON - MANAGING EDITOR
A. M. WARKASKE - TECH. EDITOR

VOLUME FIFTEEN

Issue No. 6

PRICE TEN CENTS



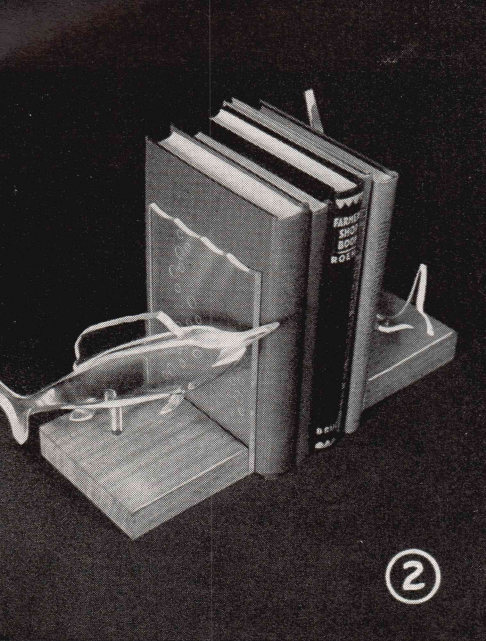
JUNIOR BED

☆ HERE is a project, made from light hardwood such as birch or maple, that will be welcome in any home with small children. The bed was designed around a standard junior size spring and mattress. It would be best, however, to check on such sizes and possibly buy the spring and mattress before beginning construction on the bed. In this way any slight change in dimension size may be corrected before much of the work of construction is finished. The drawing on the following page is self-explanatory. The hardware may be purchased from your local hardware dealer. The finish of the original was natural with several coats of white shellac, followed by either wax or varnish.

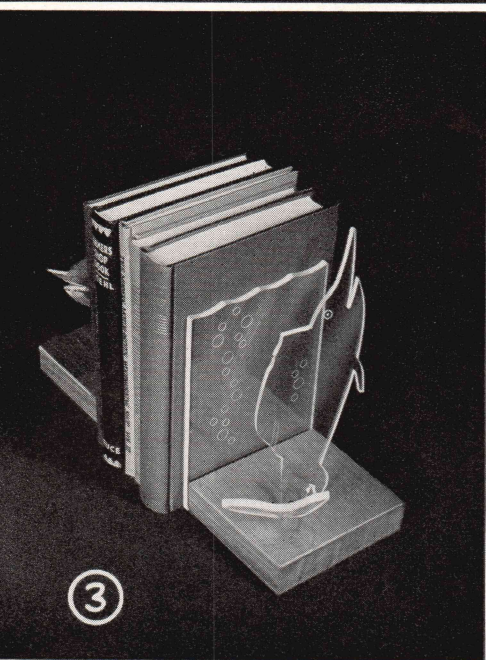
DESIGNS

These are full size drawings which can be easily traced directly on the material to be cut. Paint the material with a flat coat of paint before drawing the design.



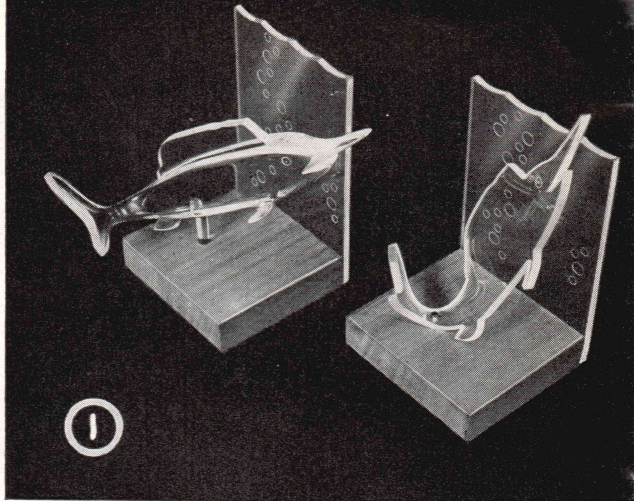


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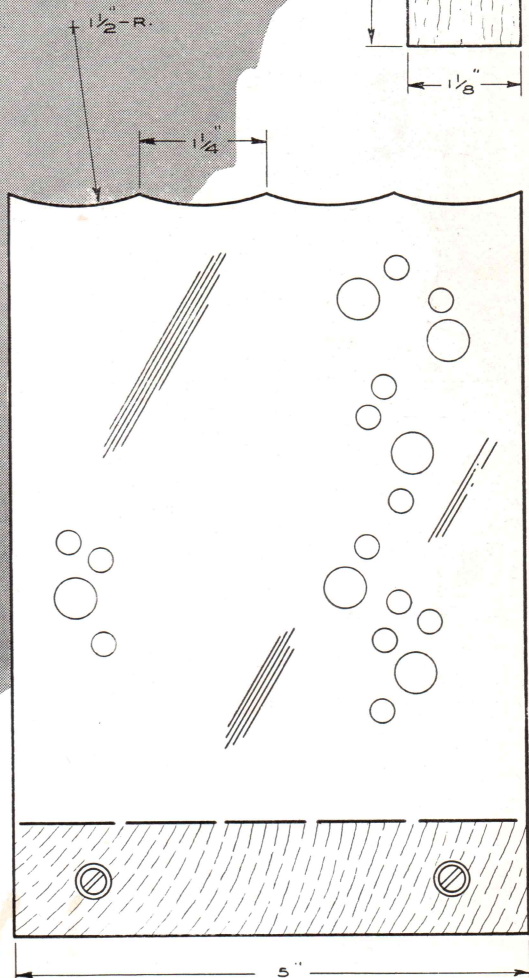
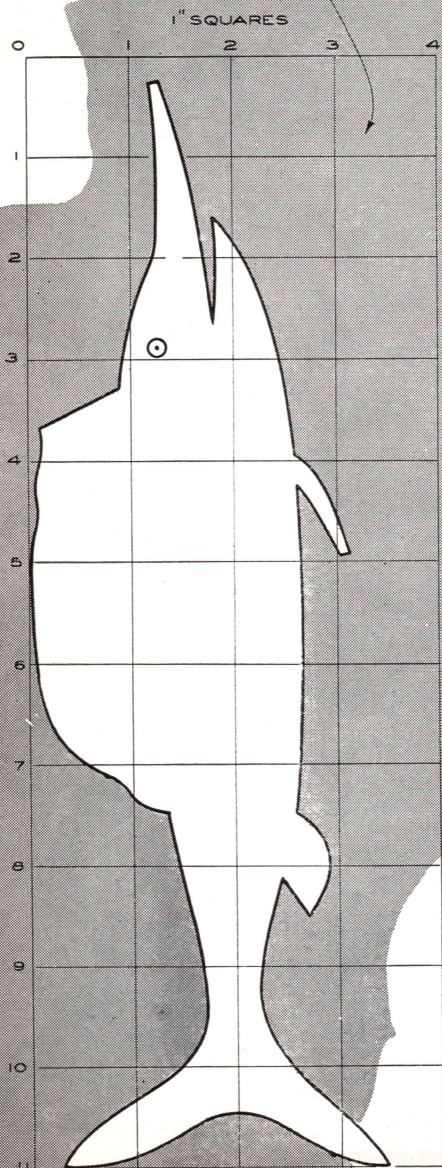
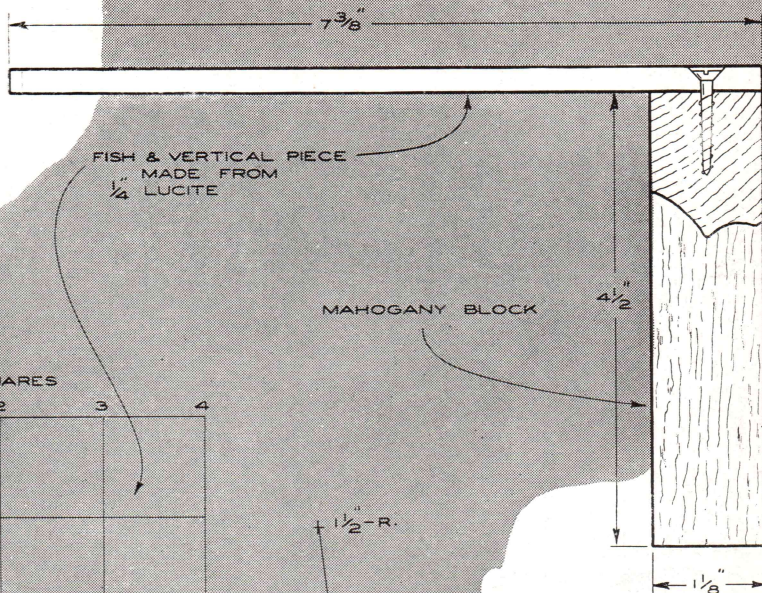
Photo No. 2 shows the book ends with the fully carved plastic fish. The fish is mounted on a $\frac{3}{8}$ " plastic rod which is drilled and glued into the bottom of the fish and also the wood base. In Photo No. 3 the $\frac{1}{4}$ " flat fish is merely fastened with a wood screw to the wooden base.

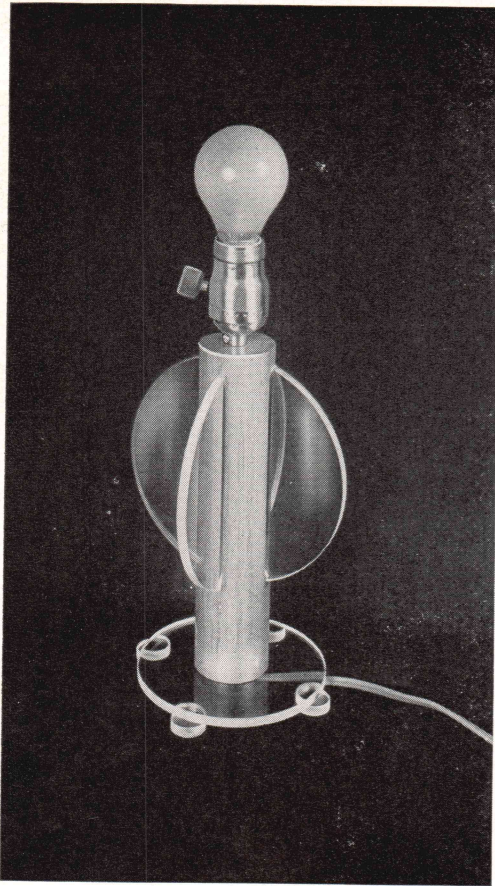


①

MAHOGANY and PLASTIC **BOOK ENDS**

☆ HERE is shown an attractive pair of book ends which you can make as simple or as elaborate as you wish. In Photo No. 1 is shown the two styles which were made up for the original set. In the one on the right the fish design was simply band-sawed from a $\frac{1}{4}$ " thick sheet of Plexiglas and the edges were sanded to get a frosted appearance. After this was completed the tail portion of the fish was heated and bent to shape as shown in the photograph. The fish shown on the left was first band-sawed from a 1" thick block of Plexiglas, after which it was fully carved to shape by using sanding drums and a router bit in the drill press. Final polish was obtained with fine wet sandpaper, followed by buffing with a canvas buffing wheel and rouge. Circular cuts shown on the background panel which represent bubbles were cut on the drill press by filing off the spur center of a wood drill.





The photographs at the left and above show the completed lamp made from a mahogany or walnut stem and $\frac{1}{4}$ " sheet Plexiglas. The Plexiglas edges are simply sanded with sandpaper and not polished so that the frosted edge will reflect the light.

Modern Lamp IN WOOD AND PLASTIC

☆ THE modern lamp design shown above was made from a combination of sheet Plexiglas and mahogany lumber. The lamp stem was first cut from a solid block of mahogany 2 inches square. The slots to hold the Plexiglas fins were cut on the circular saw, after which the lamp stem is turned round on the lathe. A hole is then drilled through the center of the stem to receive the threaded pipe for the socket and the wiring. The fins and the base of the lamp are now cut from $\frac{1}{4}$ " thick Plexiglas sheet. The edges are sanded smooth and left without polishing to give the frosted effect. The fins on the side of the lamp are glued in place with ambroid glue. The $\frac{3}{8}$ " diameter feet are glued to the underside of the base with plastic glue.

LAMP STEM MADE
OF SOLID 2" DIA STOCK
MAHOGANY OR
WALNUT

$\frac{3}{8}$ " THREADED PIPE
FOR SECURING
SOCKET

4" FINS GLUED INTO
 $\frac{1}{4}$ " GROOVE $\frac{3}{8}$ " DEEP
IN STEM

FOUR
FINS
 $\frac{6}{8}$ " DIA.

HALF SECTION
OF
BASE

$8\frac{3}{4}$ "

$\frac{7}{8}$ " DIA.

90°

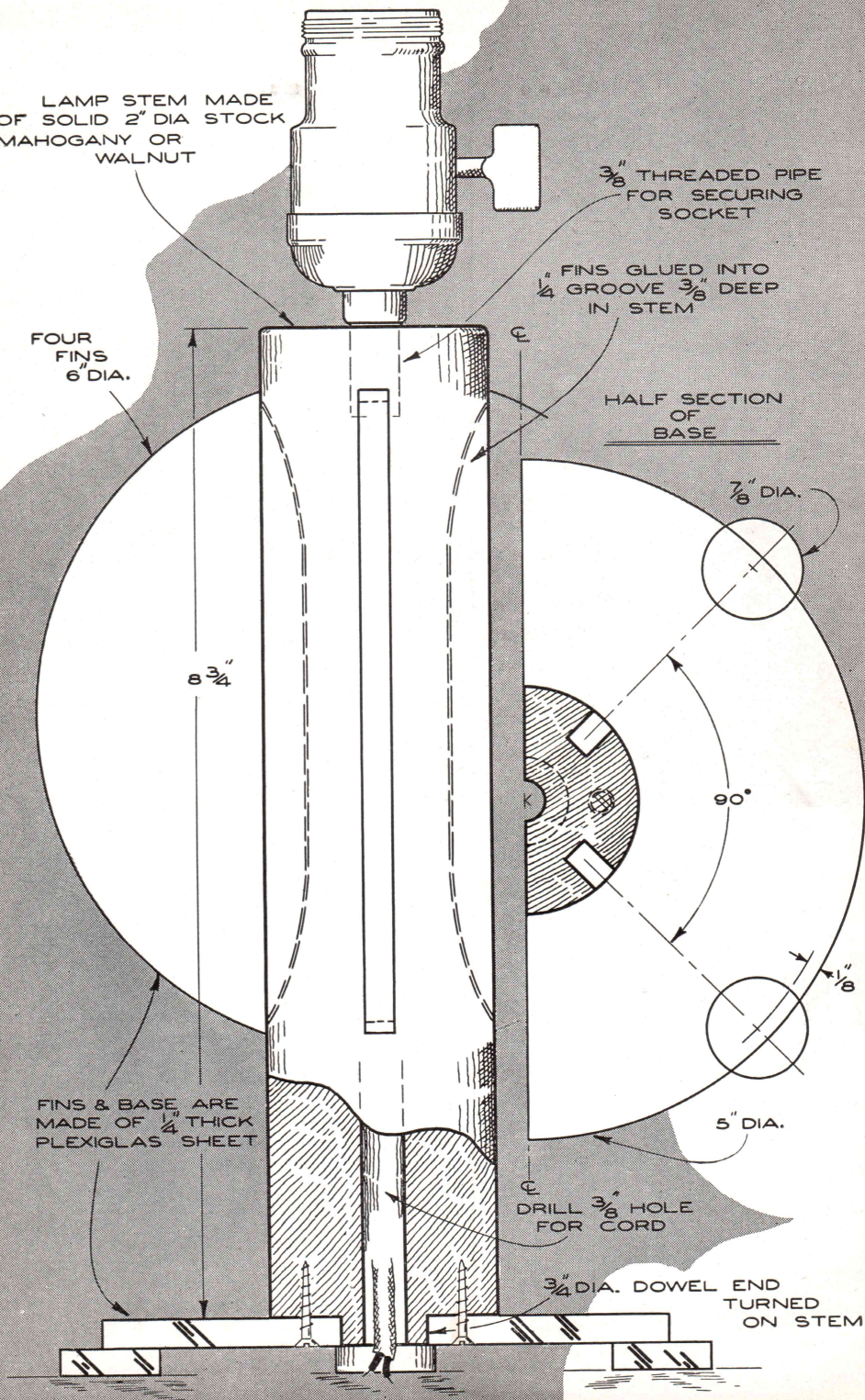
$\frac{1}{8}$ "

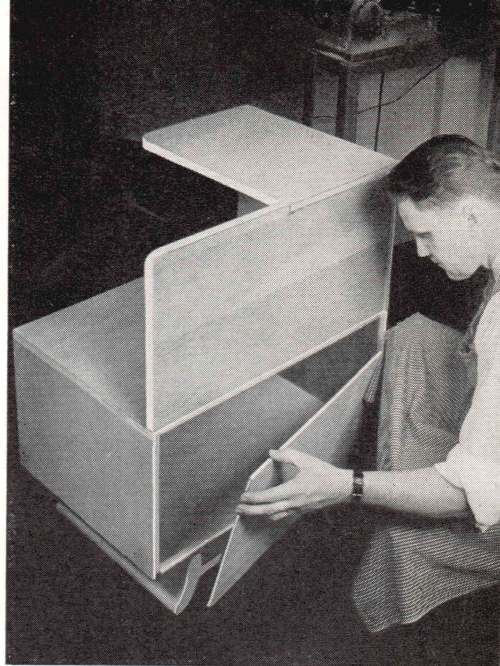
5" DIA.

FINS & BASE ARE
MADE OF $\frac{1}{4}$ " THICK
PLEXIGLAS SHEET

DRILL $\frac{3}{8}$ " HOLE
FOR CORD

$\frac{3}{4}$ " DIA. DOWEL END
TURNED
ON STEM

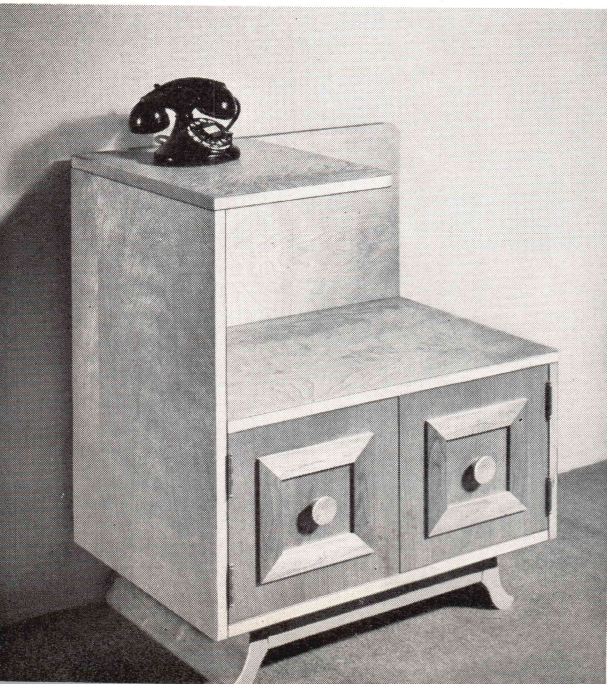


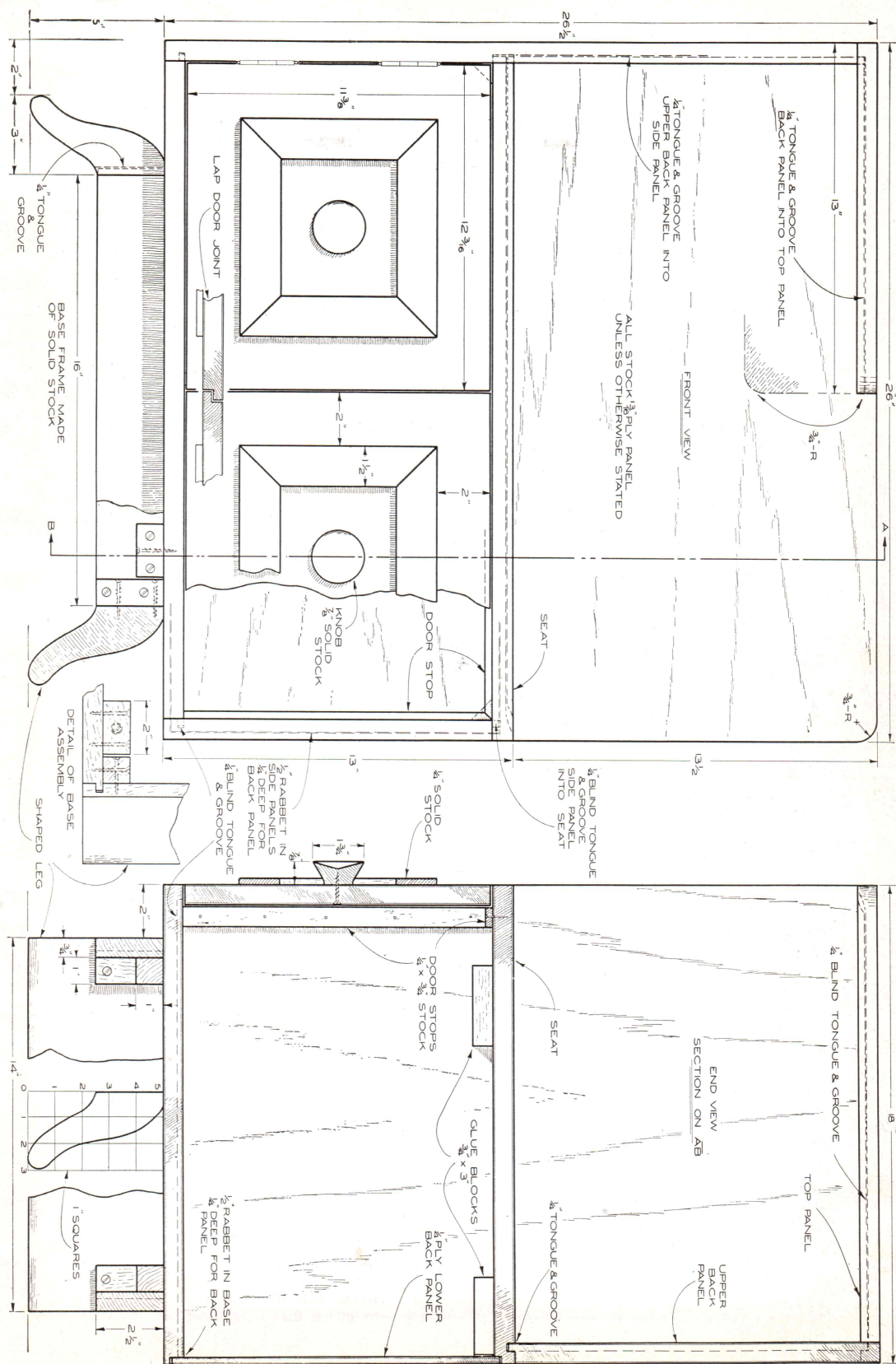


Chatter BENCH

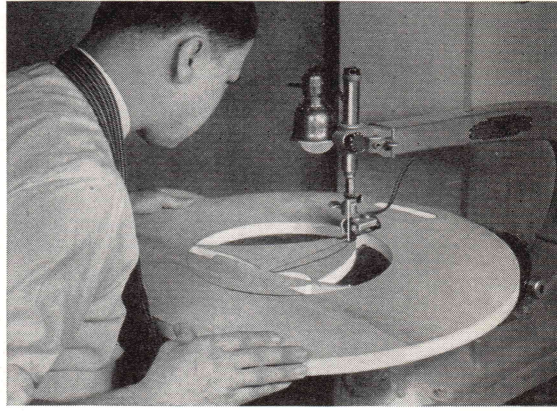
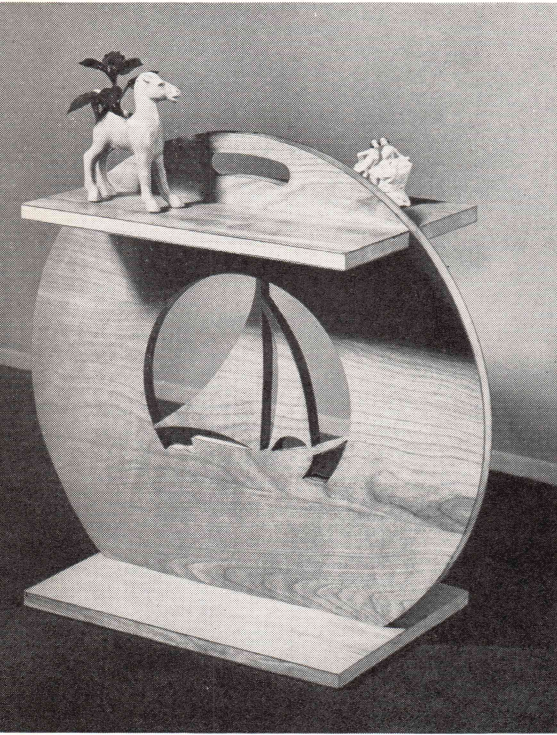
☆ THE chatter-bench shown in this article is in answer to many requests for matching pieces to the Cellaret shown in Issue No. 2, Vol. 15. You will notice the same design is carried out on the doors and also the base. The two pieces are the same height and width so that they may be used in assembling or arranging units of furniture. The drawing shown on the following page gives all the necessary dimensions and construction details for building the bench.

The wood used should match the wood in the previous project, which was 13/16" birch panel. The construction used is essentially tongue-and-groove joints glued together with the additional use of glue blocks. The base is fastened to the underside of the bench by means of blocks as shown in the drawing. The blocks are screwed to the sides of the base and then into the bottom panel of the bench. The space enclosed in the bottom of the bench will give ample room for storage of such materials as the telephone book, etc. The finish should be natural wood with several coats of white shellac followed by wax or varnish. If you have built the previous piece of furniture, be sure that the finish and the wood panel is selected to match that finish.





NOVELTY TABLE

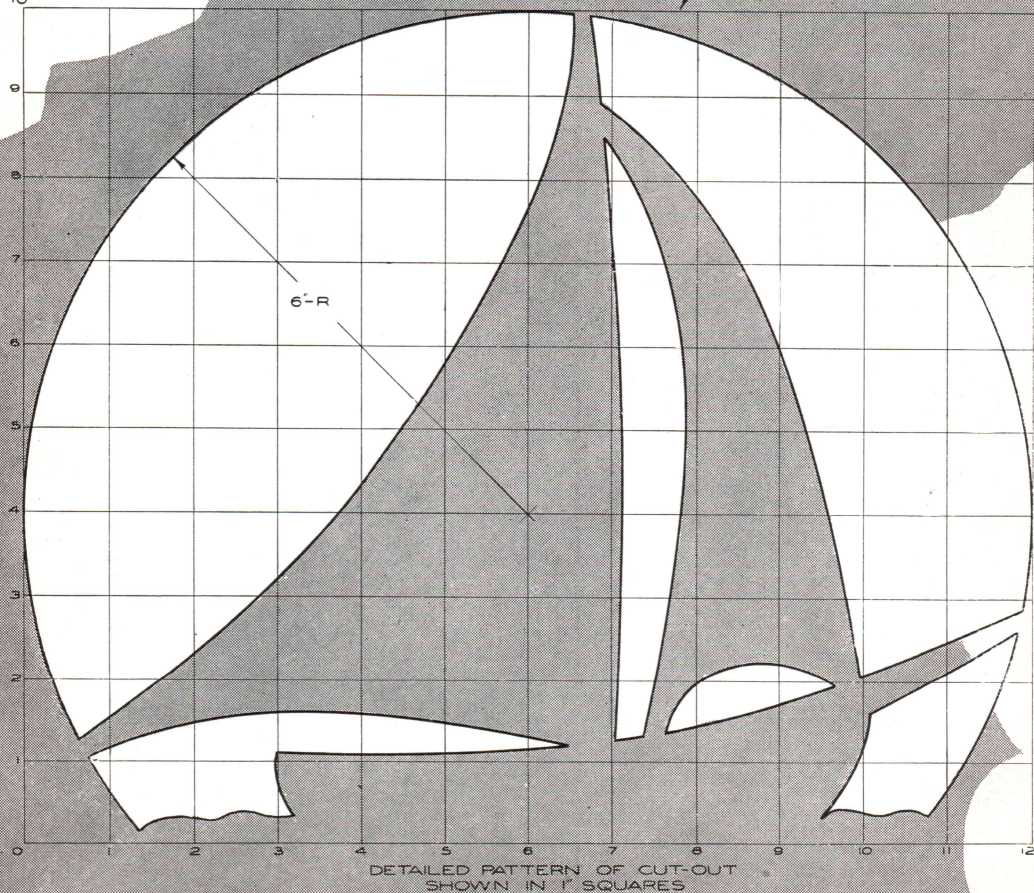
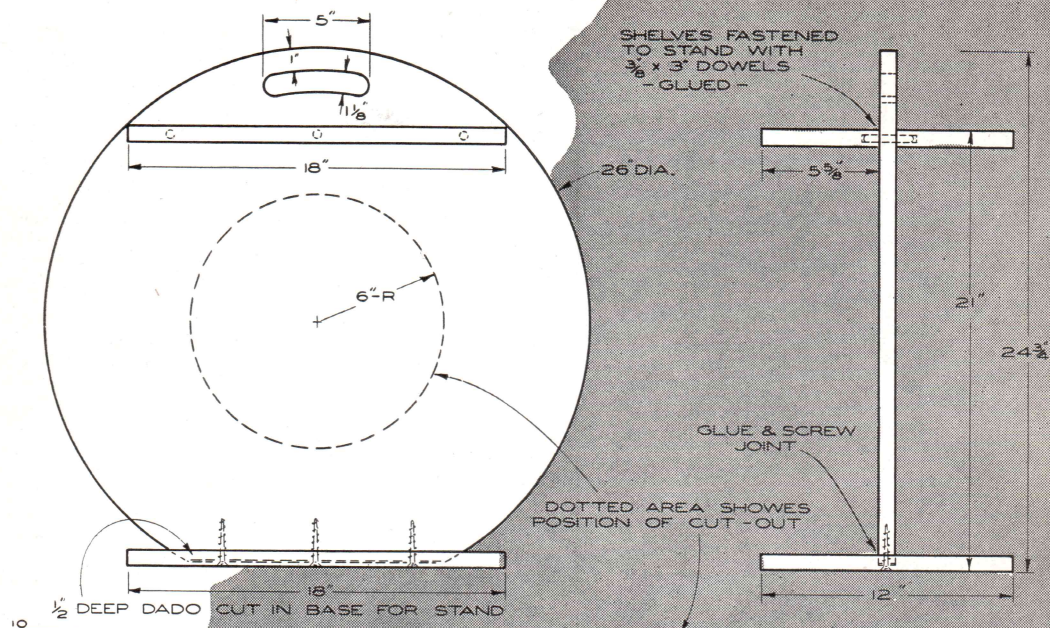


The center part of the novelty table shown at the left is laid out on $\frac{3}{4}$ " plywood panel and the center design is cut out on the jig saw using a No. 92 blade as shown above.

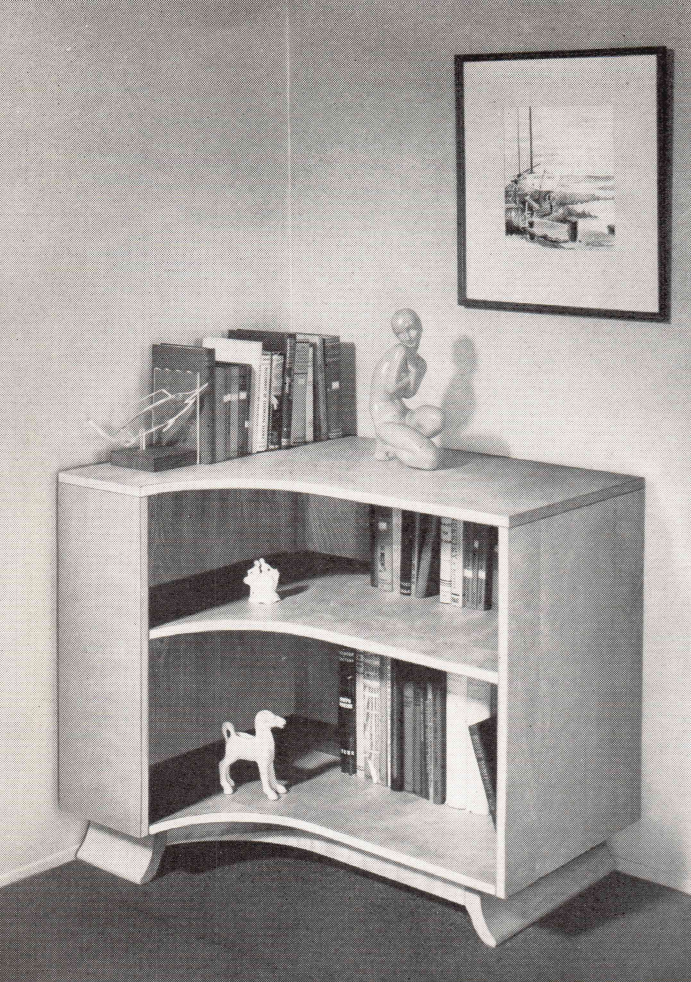
☆ Above is shown a novelty table with a nautical theme carried out in the design which will go well in a boy's room or for that matter in any room where such a theme is used.

The table itself is constructed entirely from $\frac{3}{4}$ " plywood panel. The main portion of the table is a 26" diameter disk of plywood in the center of which is cut the ship design as shown in the photograph above. The sawing is most easily accomplished on the jig saw with a No. 92 wood blade. The handhold is made by drilling two holes $1\frac{1}{8}$ " in diameter and cutting out the portion between as shown in the drawing.

The upper shelves are cut and fastened to the table with $\frac{3}{8}$ " dowels and glue. The base of the table is cut from $\frac{3}{4}$ " plywood panel and a dadoed groove is cut to receive the center section of the table. This is glued in place and fastened with three screws from the underside of the base. The finish can be natural wood or it may be enameled in any color you desire. If the finish is natural, the edges should be painted to match the stain color.

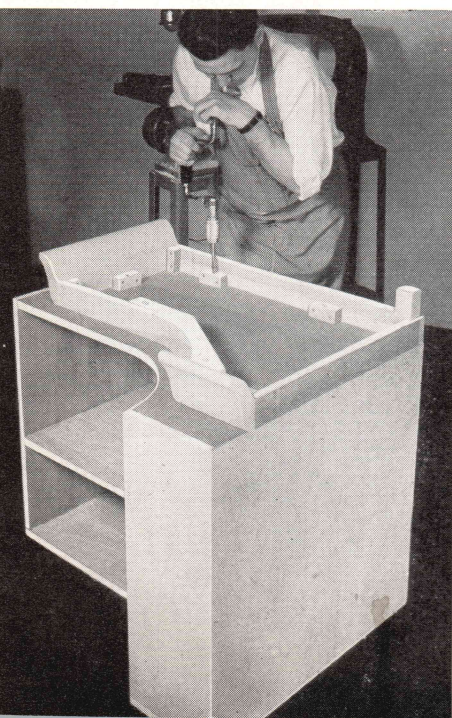


ENTIRE PROJECT MADE OF $\frac{3}{4}$ " PLYWOOD

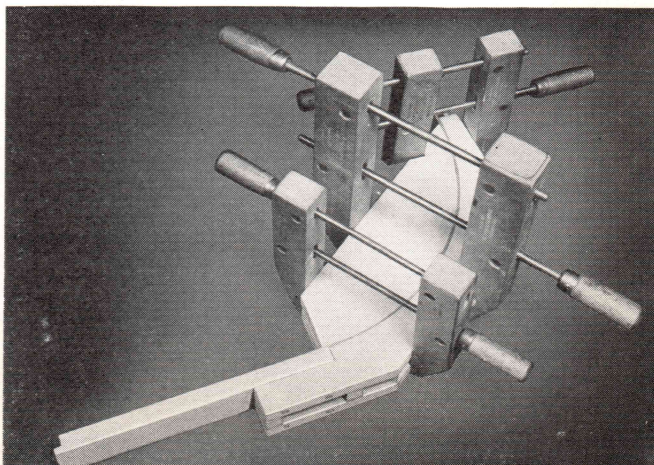


☆ Another addition to the unit furniture described on pages 110 and 111 of this issue is the corner book shelf at the left. Here again the same height and width dimension on one end has been carried out so that it may be placed at one end of either the cellaret or the chatter-bench. Also the same base design and dimensions have been carried out. Here again the wood used in construction is 13/16" birch panel. You will notice in the design that the width dimension has been reduced from 18 inches on one end to 9 inches on the other. This will allow for the future addition of more book shelves 9 inches in depth. The construction throughout is similar to the other projects with the exception of the curved base necessary in this corner book case.

The method of obtaining the curve in the front section of this base is shown both in the photograph below and in the drawing on the following page. The finish should be the same as the other two pieces and the edges of the exposed panel should be either covered with a thin piece of veneer of matching wood or they should be painted in a color to match the natural color of the wood or stain used.



Corner **BOOK CASE**



$\frac{9}{16}$ " RABBIT
IN FRONT
&
SIDE PANEL

$\frac{1}{2}$ " PLYWOOD
SIDE PANEL

BOTTOM
PANEL

ON BASE
FRAME & LEG
JOINERY

BASE FRAMES

SECTIONED
TOP VIEW

SHELF

$\frac{1}{2}$ " PLYWOOD
BACK PANEL

CORNER
LEG

$\frac{1}{4}$ " PLYWOOD
PANEL

BASE
FRAME

$\frac{1}{2}$ " PLYWOOD
BOTTOM
PANEL

SHAPED LEG

FRONT VIEW

PLYWOOD FORM
FROM SCRAP

$\frac{1}{4}$ " TONGUE & GROOVE

$\frac{3}{4}$ " STRIP

FRONT VIEW
OF FORM

DETAIL ON
BASE
FRAME

BLOCK FOR
FASTENING BASE
TO BOTTOM
PANEL

$\frac{1}{4}$ " x $\frac{1}{4}$ " x $\frac{1}{2}$ "
BLOCKS

$\frac{1}{4}$ " BLIND
TONGUE &
GROOVE

$\frac{3}{8}$ " BLIND
TONGUE &
GROOVE
 $\frac{1}{4}$ " DEEP

$\frac{1}{2}$ " PLYWOOD
STOCK

SHELF

DETAIL ON NOTCHED
LEG TO HOLD SHELF

SIDE VIEW
SECTIONED ON A-B

CORNER LEG
 $\frac{1}{2}$ " x $\frac{1}{16}$ " x $25\frac{1}{4}$ "

$\frac{1}{2}$ " PLYWOOD
BACK PANEL

$\frac{1}{2}$ " PLYWOOD
SIDE
PANEL

SHAPED LEG

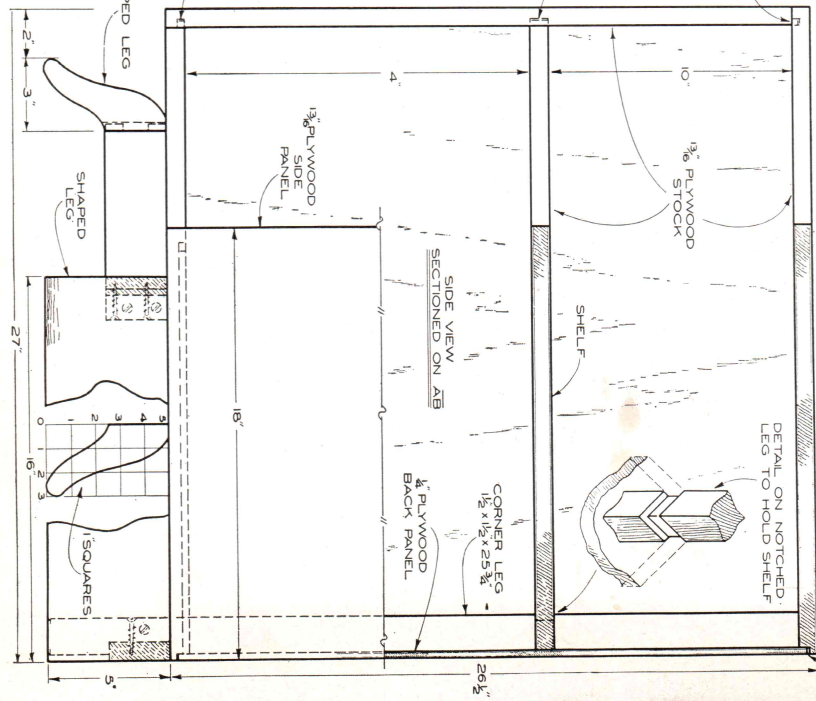
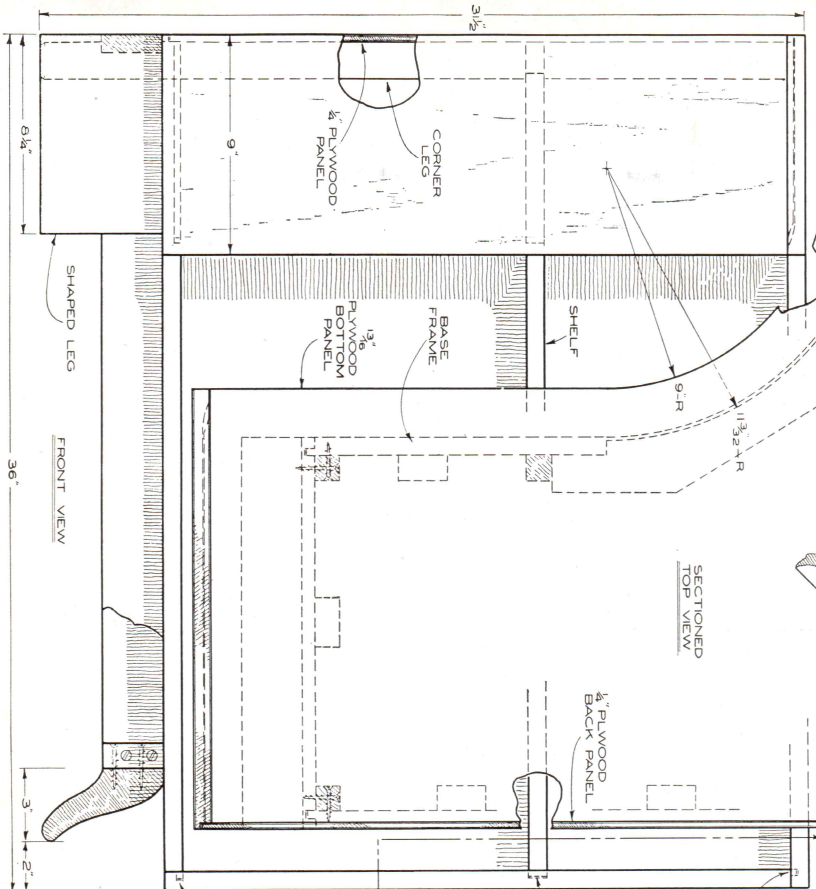
SHAPED LEG

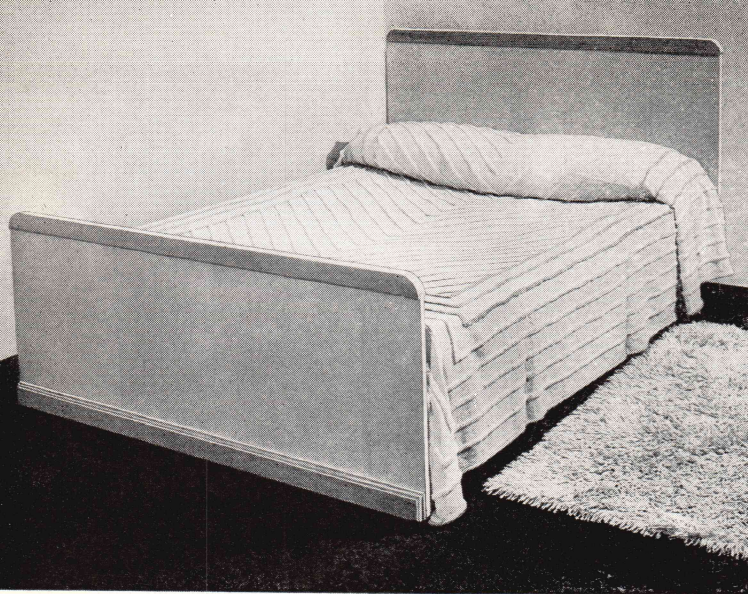
SQUARES

36"

27"

5"

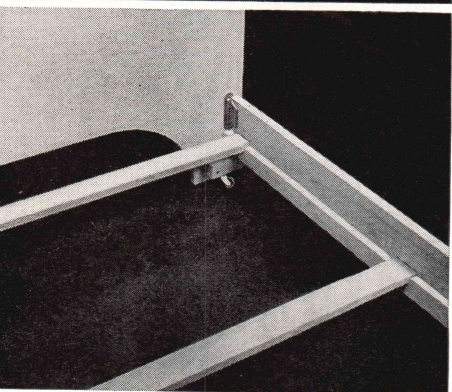
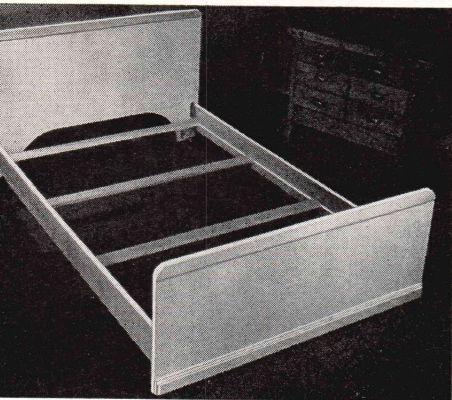




Maple BEDROOM SET



Here is the last project in a set of maple bedroom furniture of lasting usefulness that you will be proud to build and to own.



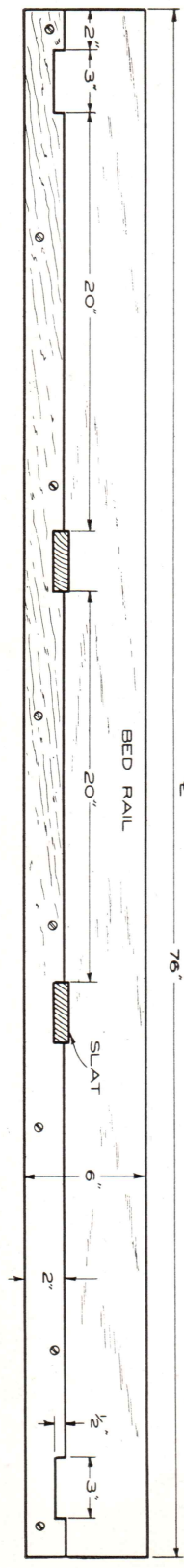
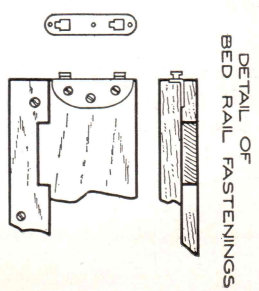
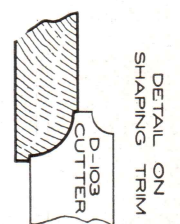
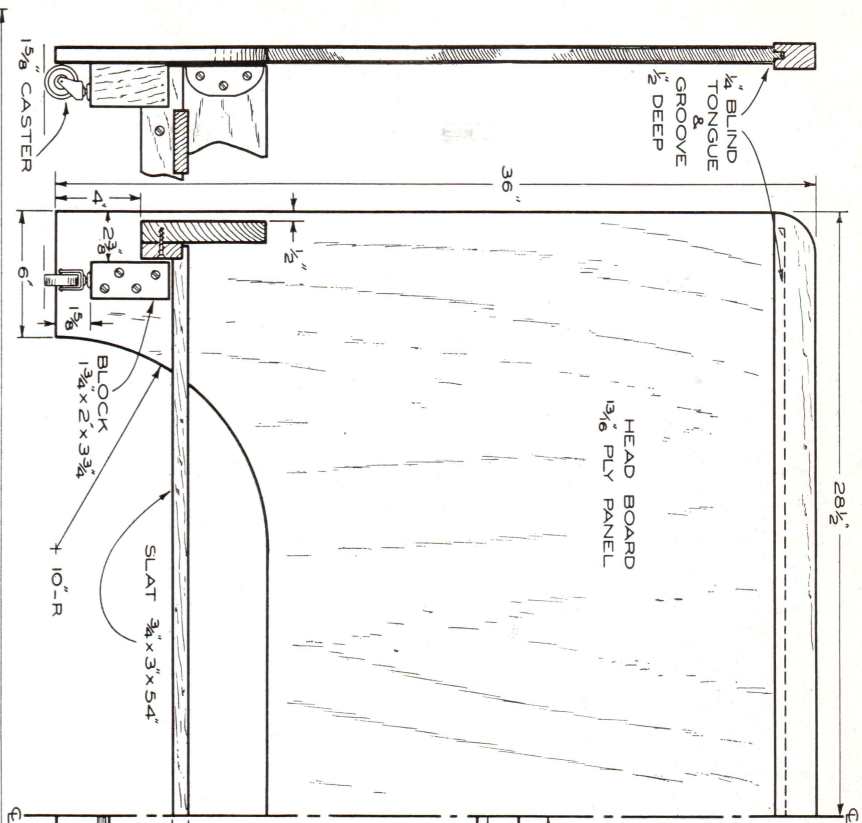
No. 4 BED

☆ THIS is the fourth in a series of bedroom furniture pieces, the other three pieces having appeared in Sept.-Oct. 1944; Jan.-Feb., 1945; Sept.-Oct., 1945 of the Delta-gram.

The head and foot boards of the bed were made from 13/16" plywood panel in bird's-eye maple to match the previous pieces. The hardware may be purchased from your local hardware dealer and assembled as shown in the drawing on the following page. The four casters are mounted on blocks screwed to the inside surfaces of the head and foot boards as shown in the drawing. Springs and mattress rest on slats which are set between the bed rails as shown in the photographs at the left and also the drawing.



The photographs above show the completed bed without the spring and mattress. This shows in detail the method of fastening the bed hardware and how the slats fit in place between the bed rails.



FLYING CHIPS

Business Is Good At 13

Edmonton, Alberta—I am a Delta machine user and expect to increase my shop with all Delta power tools. About two months ago my dad bought me a Delta 12-inch lathe. Since then I have made more than one hundred dollars with it making turnings after school. I am now thirteen years old and in grade nine.

Our local hardware dealer promised delivery of a band saw and drill press in two months. We sure are anxious to get these.

F. O.

A Good Shop Kink

Apopka, Florida: In the Deltagram you ask for shop kinks. Since I have profited by what other men have taken the trouble to write, perhaps it is only fair to pass on a trick that serves me well.

I get a lot of wood-turning jobs. Oftener than not the face or the end of the work must be counter-bored or recessed and then put on the faceplate. The problem is to attach it to the faceplate so that the recess is central.

Your adapter lathe centers are turned to $\frac{1}{2}$ " OD so the shaper collars for the $\frac{1}{2}$ " spindle fit it perfectly. These collars advance by $\frac{1}{16}$ " as to OD so that usually you can pick out one that fits the recess. If not a wrap with drawing paper, thin sandpaper or light cardboard will make it fit. So place the faceplate on the spindle and put the adapter center in. Place the shaper collar on the adapter and slip the work on the collar. The work is now held dead center while you fasten it to the faceplate.

Hoping this may be of use to somebody, I am

Yours very truly,

C. R. S.

A Bit Of Criticism

Chicago, Illinois—I sure was happy the other day when I ran across the March-April issue of your magazine with reference to a question I had sent in turning to making fine white lines on faceplate turnings.

Your little old Deltagram is really tops. Only one criticism, and that's constructive. In your front cover pictures—Show Some Shavin's on the Floor, for gosh sakes!!! 'ts all right to show pictures of cute mamas lookin' over "No Gals Land," but any craftsman what really is doesn't give too many hoots about sweepin' up . . . shavings and chips . . . but up high like a tree on eye level is his copy of Deltagrams, where he can see what he is trying to make.

What I really like are those "one evening projects" . . . don't take me more'n three weeks to complete.

W. D. N.

Thanks, pal—we'll take this matter up with our advertising department.

The Editors.

More Boat Plans Wanted

Hudson, New York—Have you any plans and blue-prints of different types of outboard motor boats? I want something with good lines of the type of run-about a good, seaworthy model, with a step bottom fore and aft. A boat 16 feet long, 48-inch beam, 22-inch bow, 16-inch amid ships, and 16-inch transom.

If you have nothing along this line, why not get out a design in one of your Deltagrams so that we readers can work on a boat of this type during the coming winter months? I believe many other craftsmen would be interested in this project.

F. N. H.

At the present time we only have two boat plans—"Deltacraft" Boat Plan Sheet No. 4633, price \$1.00, and "Pelican" Sail Boat Plan Sheet No. 4643, price \$2.00. More plans will be added from time to time.

Useful Piece Of Household Equipment

Binghamton, N.Y.—Here is a suggestion regarding a useful piece of household equipment, for which I would like to see a good design via the pages of some future issue of the Deltagram. You no doubt have seen the collapsible cabinets for summer storage of woollen clothing; these are made mostly of heavy corrugated paper board with thin strips of wood for reinforcement at top, bottom, and in front for the vertical sliding half-door.

These paper board erect-'em-yourself cabinets are all right as far as they go, but the trouble is they don't go very far—start falling apart after a year or two. I would like to build one or more of these cabinets of very similar shape, but made with fairly heavy wood strips at the top, bottom and side corners, all dados for $\frac{1}{8}$ " Masonite which would be the material for the walls, top and bottom.

Now, how about designing one of these cabinets for the readers of the Deltagram?

J. B. T.

O.K., J.T., we are seriously thinking of showing this project in a very early issue of our magazine.

Tool Cabinet For School Shop

Osage, Iowa—Your Deltagram is one of the most welcome magazines that comes to our high school shop. As shop instructor, I find it an efficient teaching aid since most drawings are more or less self-explaining as well as appealing to the students of all grade levels.

I have a request which is not a suggestion for your magazine to publish, but would appreciate any information on a tool cabinet that I intend to build for our school shop. This cabinet would be for wood-working tools and considerably larger than one designed for a home workshop. If you do not have plans for such a cabinet could you advise me as to where I would be able to get such plans?

D. O. N.

We do not have any such plans as requested above, but would suggest writing to The Bruce Publishing Company of Milwaukee, Wisconsin. They had several designs of hand tool cabinets published in past issues of their publication "Industrial Arts and Vocational Education."

A Craftsman's Brain Storm

St. Augustine, Florida—I have a brain storm that I believe might help the good work along.

In laying out the Duck Rocker I used $1\frac{1}{2}$ " squares instead of 2", which would be too large for my purpose. My brain storm was to put wheels and a handle on the back same as a baby stroller. I'm sure this would make a handy gadget for the baby. I made toy furniture in Detroit for many years as a business and made good at it until I got T.B. and had to go South. I have been here 14 years. I'm a carpenter by trade, but would like to break away from it. My thought was to go into the toy and infant furniture business instead.

Some of the projects I recently made are doll beds, dressers, china cabinets, bassinets, and a swell drop-leaf table of my own design.

Believe it or not, I made the first kiddie-car for my little girl and did not know enough to get a patent on it—so what!

C. W.

We believe there are a lot of craftsmen with brain storms like C.W.'s which might help our readers in their workshop problems. How about it, fellows?

The Editors.



Build the **SAILBOAT** **"PELICAN"**

COMPLETE PLANS
FULL-SIZE RIB PATTERNS

★ **HERE** are complete plans for a nifty little sailboat — "The Pelican." It is 11½ feet long with a 55-inch beam. The finished boat has a 60 square foot sail area. The boat is constructed of waterproof plywood. The drawing includes three large sheets containing full-size rib patterns, all of the necessary photographic steps in construction, and many detail drawings showing necessary dimensions. All of this is yours for only \$2.00, postpaid. Send for your complete plans today.

CATALOG No. 4643

Only **\$2.00**
POSTPAID

JUNIOR POCKET BILLIARD TABLE **THREE LARGE SHEETS—FULL-SIZE DRAWINGS**

After weeks of research gathering data from good authorities on the making of pocket billiard tables we designed this table which we believe will not only amuse the teen-agers but the grown-ups as well.

The table was designed for the use of 1⅞" size balls, the drawings include complete full-size sections of all essential parts of the table. Many photographs showing each step in the construction, complete bill-of-materials, and all the necessary instructions for building this pocket billiard table.

Build this table now for your recreation room and have lots of fun playing pocket billiards in your own home. Complete plans only \$2.00, postpaid.

Only **\$2.00**
POSTPAID

ORDER YOURS TODAY!





ORIGINAL PLANS *Authentic* PERIOD FURNITURE

BUILD IT YOURSELF

Here is a new thrill for the experienced craftsman, original plans of authentic period furniture, exclusive Delta designs never before manufactured or produced. These pieces of furniture are interpretations of age-old beauty with a modern feeling. They are designed exclusively for Delta by Evald A. Young, one of America's foremost furniture designers. We give you complete actual-size plans of these new designs together with a descriptive folder showing the origin and the steps followed in translating these designs into practical woodworking ideas.

Stylecraft FURNITURE DESIGNS

Catalog No. 4205 *American Empire Style* Armchair

The chair shown above is derived from the best American Empire examples. Several descriptive types of legs, back and ornamentation were used in its design. The seat may be upholstered in leather or fabric or conform with the craftsman's personal preference as to material and color.

Catalog No. 4204 *Hepplewhite-Inspired* Lamp Table

Simplified for use with modern furnishings. Note interesting stretcher treatment resulting in either a fern stand or utility shelf. Variations in use of inlays, marquetry, veneering, handcarving and painting decoration suggested. (Above)



Here is your chance to build and own authentic original pieces of furniture. You will find greater happiness in its construction and take more pride in its ownership. Order Plans by catalog number, \$2.50 each.

Catalog No. 4202 *Sheraton Cocktail Table*

Ample-size, attractively-shaped, classically designed Sheraton Cocktail Table with reeded legs and effective inlay on rim. Six alternate table-top treatments are detailed for you. (Right)

**ORDER PLANS BY
CATALOG NUMBER \$2.50 EACH**

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